CONSUMPTION, HARMs, AND PERCEPTIONS

KEY

ANCH./MATSU COMBINED
NORTHERN
INTERIOR
GULF COAST
SOUTHWEST
SOUTHEAST

Gaps indicate no data recorded.

Overall Trend Indicators

Increase
Flat
Decrease

0.0% Percentage of Last Year Recorded

Percentage of Last Year Recorded

Years 2006-2015

06 07 08 09 10 11 12 13 14 15

US Average
**CONSUMPTION**

**YOUTH**
First drink prior to age 13
- Nationwide: 15.5%
- Alaska Average: 12.9%

**TEEN**
Current use
- Nationwide: 29.8%
- Alaska: 22.8%

**ADULT**
Binge Drinking
- Nationwide: 17.4%
- Alaska: 19.3%

Heavy Use
- Nationwide: 6.5%
- Alaska: 6.1%

Dependence
- Nationwide: 6.1%

**ETHANOL CONSUMPTION**
Per capita consumption in gallons, ages 14 and up.
- 2.94 gal. = 627 standard drinks
- 2.35 gal. = 501 standard drinks

---

Source: Youth Risk Behaviors Survey

Source: National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health

Source: Alaska Behavioral Risk Factor Surveillance System

Source: National Survey on Drug Use and Health
ECONOMIC COSTS OF ALCOHOL MISUSE, PRODUCTIVITY LOSSES
2015 Estimated Annual Alcohol-related Productivity Losses

$1.84 BILLION

Productivity Loss $775 million

42%

$581.5 million Premature death (primary diagnosis) 75%
$41.5 million Incarceration 5%
$145.5 million Diminished productivity 19%
$1.5 million Substance misuse treatment 0.2%
$5.0 million Medical conditions 1%

The Economic Costs of Alcohol Abuse in Alaska, 2016 Update, Prepared for: Alaska Mental Health Trust Authority
March 2017, McDowell Group
Source: McDowell Group calculations. Criminal justice and protective services estimate does not include intangible costs related to victimization, an estimated $605 million in additional costs.

ECONOMIC REVENUE AND COSTS OF ALCOHOL
2015 Impacts of Alcohol Sales

$104.4 million $38 million $1.84 billion


A comparison of the alcohol sales contributing to the Alaskan economy through jobs, earnings, and tax revenues to the costs ($1.84 billion) created by the use of alcohol.

ALCOHOL-INDUCED MORTALITY, RATE PER 100,000

71.4 ALASKAN NATIVES

22.7 ALASKANS 8.5 US

All Alaskans Alaskan Natives

Alaska Bureau of Vital Statistics, Division of Public Health, Department of Health and Social Services
National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention
**Liquor Law Violations**

**Under 18**
- **Total Liquor Law Violations:** 121
- **Male:** 67
- **Female:** 54

**Adult**
- **Total Liquor Law Violations:** 654
- **Male:** 456
- **Female:** 198

Source: Uniform Crime Reports, Division of Statewide Services, Department of Public Safety

---

**DUI Court Filings**

- **% of DUI Felony Court Filings:** 4.7%
- **% of Misdemeanor Court Filings:** 13.2%

Source: Alaska Court System: Annual Report (state fiscal years)

---

**ALCOHOL IMPAIRED DRIVING FATALITIES**

- **Total Alaska Driving Fatalities:** 84
- **Alaska Alcohol-Impaired Driving Fatalities:** 30 (36%)
- **US Percentage of Alcohol-Impaired Driving Fatalities:** 28%

Source: Uniform Crime Reports, Division of Statewide Services, Department of Public Safety

---

**DUI Crime Data**

**Under 18**
- **TOTAL DUIs:** 22
  - **Male:** 10
  - **Female:** 12

**Adult**
- **TOTAL DUIs Male:** 32
  - **TOTAL DUIs Female:** 10

Source: Uniform Crime Reports, Division of Statewide Services, Department of Public Safety

---

**Alcohol-Related Deaths Over 5 Years**

- **Total Number of Deaths:** 3,849
  - **Alcohol Induced:** 676 (17%)
  - **Liver:** 465 (12%)
  - **Suicide:** 845 (22%)
  - **Unintentional Injury:** 1,863 (48%)

- **Non-Alcohol Related Deaths:** 906
  - **Total % of Deaths:** 19%

Source: Alaska Department of Health and Social Services, Bureau of Vital Statistics

---

**Alcohol-Related Deaths Over 5 Years**

- **TOTAL DUIs Male:** 2126
  - **TOTAL DUIs Female:** 906

Source: Uniform Crime Reports, Division of Statewide Services, Department of Public Safety
Source: Alaska Pregnancy Risk Assessment Measurement System (PRAMS)

POTENTIAL FOR FETAL ALCOHOL SPECTRUM DISORDERS

Prenatal binge drinking (last 3 months)
- 2013-2015: 6.4%
- 2014-2015: 0.6%

Source: Alaska Pregnancy Risk Assessment Measurement System (PRAMS)

ADVERSE CHILDHOOD EXPERIENCES (ACEs)

Household member with substance misuse, 2013-2015

- 10+state average: 25.1%
- All Alaskans: 29.7%
- Alaska Natives: 41.1%

ACE score 4 or more, 2013-2015

- 10+state average: 14.3%
- All Alaskans: 19.5%
- Alaska Natives: 28.4%

Source: http://www.cdc.gov/violenceprevention/acestudy/ace_brfss.html / BRFSS ACE Module, CDC

TREATMENT ADMISSIONS (TEDs)

12 years and older

Admissions per 10,000

Alaska n=694

Nationwide n=189

Source: Alaska Pregnancy Risk Assessment Measurement System (PRAMS)

Treatment Episodes Dataset (under SAMHSA):
http://www.dasis.samhsa.gov/webt/tedsweb/tab_year.choose_year_web_table/?_state=AK

PRE-PREGNANCY ALCOHOL CONSUMPTION

- 2013-2015: 57.7%
- 2014-2015: 16.2%

Source: Alaska Pregnancy Risk Assessment Measurement System (PRAMS)

CHILD MALTREATMENT

% of Child Maltreatment related to Parental Alcohol/Drug Misuse

- Drugs: 43.5%
- Alcohol: 35.5%

Source: Alaska Department of Health and Social Services, Office of Children's Services

INJURY CASES

Hospitalized injury associated with alcohol use by gender 2012-2016

- Non-Alcohol Related: 25%

- MALES:
  - ATV - Snow Machine: 25% (216)
  - Auto: 10% (244)
  - Suicide / Self-inflicted: 9% (123)

- FEMALES:
  - ATV - Snow Machine: 6% (68)
  - Auto: 12% (124)
  - Assault: 14% (148)
  - Suicide / Self-inflicted: 12% (123)
  - Falls: 39% (409)

State of Alaska Epidemiologic Profile on Substance Use, Abuse, and Dependency / Alaska Trauma Registry.
PERCEPTION OF "TREATMENT WORKS."
Statement: Do you think treatment works . . . ?

Extremely / very believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>40%</td>
<td>40%</td>
<td>41%</td>
<td>43%</td>
<td>32%</td>
<td>43%</td>
<td>27%</td>
</tr>
</tbody>
</table>

Somewhat believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>40%</td>
<td>41%</td>
<td>39%</td>
<td>38%</td>
<td>39%</td>
<td>36%</td>
<td>46%</td>
</tr>
</tbody>
</table>

Slightly / not at all believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>16%</td>
<td>15%</td>
<td>15%</td>
<td>13%</td>
<td>24%</td>
<td>18%</td>
<td>23%</td>
</tr>
</tbody>
</table>

PERCEPTION OF "RECOVERY IS POSSIBLE."
Statement: Do you think recovery is possible is . . . ?

Extremely / very believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>63%</td>
<td>64%</td>
<td>71%</td>
<td>66%</td>
<td>50%</td>
<td>60%</td>
<td>45%</td>
</tr>
</tbody>
</table>

Somewhat believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>26%</td>
<td>26%</td>
<td>19%</td>
<td>23%</td>
<td>37%</td>
<td>29%</td>
<td>37%</td>
</tr>
</tbody>
</table>

Slightly / not at all believable

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8%</td>
<td>9%</td>
<td>8%</td>
<td>5%</td>
<td>11%</td>
<td>8%</td>
<td>16%</td>
</tr>
</tbody>
</table>

POSSIBILITY OF RECOVERY
Do you think it is possible for a person to recover from an alcohol problem?

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Always/Often</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54%</td>
<td>53%</td>
<td>53%</td>
<td>59%</td>
<td>48%</td>
<td>58%</td>
<td>46%</td>
</tr>
</tbody>
</table>

| Sometimes |
| 37%    | 37%         | 41%        | 34%      | 39%      | 33%       | 32%       |

| Rarely/Never |
| 6%     | 6%          | 4%         | 3%       | 6%       | 6%        | 16%       |

RELAPSE PART OF RECOVERY PROCESS
Do you think relapse is a part of the recovery process?

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Always/Often</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54%</td>
<td>53%</td>
<td>53%</td>
<td>59%</td>
<td>48%</td>
<td>58%</td>
<td>46%</td>
</tr>
</tbody>
</table>

| Sometimes |
| 37%    | 37%         | 41%        | 34%      | 39%      | 33%       | 32%       |

| Rarely/Never |
| 6%     | 6%          | 4%         | 3%       | 6%       | 6%        | 16%       |

HOW MANY DRINKS IS SAFE WHILE PREGNANT?
How many drinks, if any, can a pregnant woman drink at one time without potentially causing harm to the developing baby?

<table>
<thead>
<tr>
<th>ALASKA</th>
<th>ANCH./MATSU</th>
<th>GULF COAST</th>
<th>INTERIOR</th>
<th>NORTHERN</th>
<th>SOUTHEAST</th>
<th>SOUTHWEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>None, no drinks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73%</td>
<td>75%</td>
<td>79%</td>
<td>72%</td>
<td>61%</td>
<td>67%</td>
<td>63%</td>
</tr>
</tbody>
</table>

| 1 |
| 19%    | 18%         | 13%        | 21%      | 21%      | 24%       | 17%       |

| 2 or more |
| 3%     | 2%          | 2%         | 3%       | 9%       | 1%        | 11%       |

| Not sure |
| 5%     | 4%          | 6%         | 4%       | 8%       | 8%        | 8%        |
### Knowledge of Health Risks

How much do you know about health risks associated with alcohol?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Things</td>
<td>26%</td>
<td>28%</td>
<td>20%</td>
<td>20%</td>
<td>34%</td>
<td>28%</td>
<td>23%</td>
</tr>
<tr>
<td>4 Things</td>
<td>25%</td>
<td>25%</td>
<td>26%</td>
<td>24%</td>
<td>28%</td>
<td>21%</td>
<td>27%</td>
</tr>
<tr>
<td>3 Things</td>
<td>26%</td>
<td>25%</td>
<td>23%</td>
<td>28%</td>
<td>19%</td>
<td>35%</td>
<td>26%</td>
</tr>
<tr>
<td>2 Things</td>
<td>19%</td>
<td>18%</td>
<td>25%</td>
<td>24%</td>
<td>17%</td>
<td>13%</td>
<td>22%</td>
</tr>
<tr>
<td>1 Things</td>
<td>4%</td>
<td>4%</td>
<td>5%</td>
<td>5%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Know none of the things</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>
NEGATIVE IMPACTS
Have you ever been negatively affected by someone else’s drinking?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>69%</td>
<td>68%</td>
<td>73%</td>
<td>66%</td>
<td>63%</td>
<td>73%</td>
<td>67%</td>
</tr>
<tr>
<td>No</td>
<td>31%</td>
<td>31%</td>
<td>27%</td>
<td>34%</td>
<td>37%</td>
<td>26%</td>
<td>32%</td>
</tr>
</tbody>
</table>

FEELING OF RESPONSIBILITY TO TALK TO A PARENT IF THEIR CHILD WAS DRINKING
If you knew a child or teen was drinking alcohol, would you feel a sense of responsibility to speak with their parents about their alcohol use?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>81%</td>
<td>85%</td>
<td>75%</td>
<td>78%</td>
<td>85%</td>
<td>75%</td>
<td>78%</td>
</tr>
<tr>
<td>No</td>
<td>14%</td>
<td>11%</td>
<td>21%</td>
<td>16%</td>
<td>12%</td>
<td>19%</td>
<td>15%</td>
</tr>
</tbody>
</table>

EFFICACY OF TALKING TO YOUTH
Would you say parents talking with their children and teens about the problems alcohol can cause is effective at reducing underage drinking?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely/Very</td>
<td>70%</td>
<td>70%</td>
<td>68%</td>
<td>73%</td>
<td>66%</td>
<td>75%</td>
<td>68%</td>
</tr>
<tr>
<td>Somewhat/Slightly</td>
<td>27%</td>
<td>28%</td>
<td>30%</td>
<td>25%</td>
<td>32%</td>
<td>24%</td>
<td>23%</td>
</tr>
<tr>
<td>Not at all</td>
<td>2%</td>
<td>2%</td>
<td>1%</td>
<td>2%</td>
<td>2%</td>
<td>1%</td>
<td>5%</td>
</tr>
</tbody>
</table>

COMFORT LEVEL OF TALKING TO A PARENT IF THEIR CHILD IS DRINKING
If you knew a child or teen had been drinking alcohol, how comfortable would you be contacting their parents?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely/Very/Somewhat</td>
<td>81%</td>
<td>82%</td>
<td>76%</td>
<td>84%</td>
<td>80%</td>
<td>80%</td>
<td>75%</td>
</tr>
<tr>
<td>Not very/Not at all</td>
<td>17%</td>
<td>17%</td>
<td>22%</td>
<td>12%</td>
<td>20%</td>
<td>19%</td>
<td>24%</td>
</tr>
</tbody>
</table>

EFFICACY OF SETTING AN EXAMPLE
Would you say parents setting a good example of responsible alcohol use is effective at reducing underage drinking?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely/Very</td>
<td>78%</td>
<td>79%</td>
<td>77%</td>
<td>81%</td>
<td>68%</td>
<td>78%</td>
<td>71%</td>
</tr>
<tr>
<td>Somewhat/Slightly</td>
<td>17%</td>
<td>17%</td>
<td>21%</td>
<td>15%</td>
<td>26%</td>
<td>18%</td>
<td>13%</td>
</tr>
<tr>
<td>Not at all</td>
<td>4%</td>
<td>4%</td>
<td>2%</td>
<td>3%</td>
<td>6%</td>
<td>3%</td>
<td>13%</td>
</tr>
</tbody>
</table>

AT WHAT AGE IS IT SAFE TO HAVE A DRINK?
In general, at what age do you think it is physically safe for a young person to have a standard drink like one beer, a glass of wine or a shot of liquor?

<table>
<thead>
<tr>
<th></th>
<th>Alaska</th>
<th>Anch./Matsu</th>
<th>Gulf Coast</th>
<th>Interior</th>
<th>Northern</th>
<th>Southeast</th>
<th>Southwest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 18</td>
<td>16%</td>
<td>17%</td>
<td>17%</td>
<td>15%</td>
<td>18%</td>
<td>10%</td>
<td>14%</td>
</tr>
<tr>
<td>18</td>
<td>25%</td>
<td>26%</td>
<td>25%</td>
<td>25%</td>
<td>13%</td>
<td>32%</td>
<td>13%</td>
</tr>
<tr>
<td>19-20</td>
<td>5%</td>
<td>4%</td>
<td>7%</td>
<td>5%</td>
<td>6%</td>
<td>4%</td>
<td>11%</td>
</tr>
<tr>
<td>21</td>
<td>36%</td>
<td>34%</td>
<td>34%</td>
<td>36%</td>
<td>48%</td>
<td>40%</td>
<td>45%</td>
</tr>
<tr>
<td>22 or older</td>
<td>11%</td>
<td>12%</td>
<td>11%</td>
<td>13%</td>
<td>9%</td>
<td>8%</td>
<td>9%</td>
</tr>
</tbody>
</table>